,	Application No.	Applicant(s)
	10/806,320	AHN ET AL.
Notice of Allowability	Examiner	Art Unit
	Lixi Chow	2627
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. \boxtimes This communication is responsive to <u>Reply filed 08/28/07</u> .		
2. X The allowed claim(s) is/are <u>1-8,11,12 and 14-24</u> .	•	
 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. 10/256,244. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 7. ☐ Examiner's Amendr 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), te
	SUPERVISORY PATEN	ING IT EXAMINER

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Allowable Subject Matter

In regards to claim 1, none of the reference of record alone or in combination disclose or

suggest an apparatus for forming a first state and a second state alternatively and sequentially on

an optical recording medium in response to input data having a first level and a second level less

than the first level, respectively, in an optical recording apparatus, the apparatus comprising:

a recording waveform generating unit generating a recording waveform which includes:

a first multi-pulse corresponding to the first level of the input data and having first pulses

alternating between a low first multi-pulse level and a high first multi-pulse level,

a second multi-pulse preceding the first multi-pulse and corresponding to the second level

of the input data, the second multi-pulse having second pulses alternating between a low second

multi-pulse level and a high second multi-pulse level,

a cooling pulse connecting another first multi-pulse preceding the second multi-

pulse and which extends from a trailing one of the pulses of the another first multi-pulse to

a leading one of the pulses of the second multi-pulse, the cooling pulse forming a portion of

the first pulses of the another first multi-pulse and a portion of the second pulses,

the leading one of the pulses of the second multi-pulse set to the low second multi-

pulse level,

a power level between an end of the second multi-pulse and a first one of the pulses

of the first multi-pulse set to the high second multi-pulse level, and the high second multi-

pulse level set between the low and high first multi-pulse levels.

Therefore, claims 1-8, 11, 12 and 14-24 are allowed.

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lixi Chow whose telephone number is 571-272-7571. The examiner can normally be reached on Mon-Fri, 8:30am to 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on 571-272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LC 11/12/07

WAYNE YOUNG SUPERVISORY PATENT EXAMINER